

THE CLAIMS:

1. (Previously Presented) A data transfer processing apparatus which controls data transfer in a device, comprising:
  - a status obtaining unit adapted to obtain status information about a status of said device;
  - a message obtaining unit adapted to obtain a message according to the status information obtained by said status obtaining unit;
  - a transmission data generation unit adapted to generate transmission data according to the message obtained by said obtaining unit and destination information indicating a message destination;
  - an electronic mail transmission unit adapted to transmit as electronic mail the transmission data generated by said transmission data generation unit;
  - a data generation unit adapted to generate data that indicates a setting screen to be displayed on an external apparatus, the setting screen being for setting said destination information;
  - a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and
  - a destination information reception unit adapted to receive the destination information set with the setting screen from the external apparatus via the network.

2. (Previously Presented) The data transfer processing apparatus according to claim 1, further comprising a destination information storage unit adapted to store said destination information received by said destination information reception unit.

3. (Previously Presented) The data transfer processing apparatus according to claim 1, wherein said electronic mail transmission unit transmits the electronic mail to a client apparatus through a mail server apparatus.

4. (Previously Presented) The data transfer processing apparatus according to claim 1, wherein:

said data transfer processing apparatus is a network board connected to a printer; and

said message obtaining unit obtains the message from the printer.

5. (Previously Presented) A data transfer processing apparatus which controls data transfer in a device, comprising:

an information holding unit adapted to hold setting information set for transmission of an electronic mail containing a message depending on a status of the device;

a data generation unit adapted to generate data indicating a setting screen to be displayed on an external apparatus, the setting screen being for setting the setting information;

a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and

a setting information reception unit adapted to receive the setting information set with the setting screen from the external apparatus via the network.

6. (Canceled)

7. (Previously Presented) The data transfer processing apparatus according to claim 5, wherein said setting information includes information indicating a condition of transmitting said electronic mail.

8. (Previously Presented) The data transfer processing apparatus according to claim 5, wherein said setting information includes information indicating a reply destination of said electronic mail.

9. (Previously Presented) The data transfer processing apparatus according to claim 5, wherein said setting screen is for setting a pairing of a reply address of said electronic mail and a condition of transmitting said electronic mail.

10. (Previously Presented) The data transfer processing apparatus according to claim 5, wherein said message relates to a supplement of expendables used in the device, an exchange of expendables used in the device, or a process status of the device.

11. (Previously Presented) The data transfer processing apparatus according to claim 5, wherein said data transfer processing apparatus is a network board connected to a printer.

12. (Previously Presented) A data transfer processing apparatus which controls data transfer in a device, comprising:

a status obtaining unit adapted to obtain status information about a status of said device;

a message obtaining unit adapted to obtain a message according to the status information obtained by said status obtaining unit;

a storage unit adapted to store destination information indicating a destination of an electronic mail;

a registration unit adapted to register reply destination information indicating a reply destination of the electronic mail different from a source of the electronic mail;

a transmission data generation unit adapted to generate transmission data according to the message obtained by said message obtaining unit, the generated transmission data including the destination information and the reply destination information; and

an electronic mail transmission unit adapted to transmit as electronic mail the transmission data generated by said transmission data generation unit.

13. (Previously Presented) The data transfer processing apparatus according to claim 12, further comprising:

a data generation unit adapted to generate data that indicates a setting screen to be displayed on an external apparatus, the setting screen being for setting the destination information and the reply destination information;

a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and

a reception unit adapted to receive the destination information and the reply destination information set with the setting screen from the external apparatus via the network, wherein said registration unit registers the reply destination information received by said reception unit.

14. (Previously Presented) The data transfer processing apparatus according to claim 12, wherein said storage unit stores the reply destination information registered by said registration unit.

15. (Previously Presented) The data transfer processing apparatus according to claim 12, wherein said data transfer processing apparatus is a network board connected to a printer.

16. (Previously Presented) A device capable of communicating with an external apparatus, comprising:

a status obtaining unit adapted to obtain status information about a status of said device;

a message obtaining unit adapted to obtain a message according to the status information obtained by said status obtaining unit;

a transmission data generation unit adapted to generate transmission data according to the message obtained by said message obtaining unit and destination information indicating a message destination;

an electronic mail transmission unit adapted to transmit as electronic mail the transmission data generated by said transmission data generation unit;

a data generation unit adapted to generate data which indicates a setting screen to be displayed on the external apparatus, the setting screen being for setting the destination information;

a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and

a destination information reception unit adapted to receive the destination information set with the setting screen from the external apparatus via the network.

17. (Previously Presented) The device according to claim 16, further comprising a destination information storage unit adapted to store the destination information received by said destination information reception unit.

18. (Previously Presented) The device according to claim 16, wherein said electronic mail transmission unit transmits the electronic mail to a client apparatus through a mail server apparatus.

19. (Original) The device according to claim 16, wherein said device is a printer.

20. (Previously Presented) A device capable of communicating with an external apparatus, comprising:

an information holding unit adapted to hold setting information set for transmission of an electronic mail containing a message depending on a status of the device;  
a data generation unit adapted to generate data indicating a setting screen to be displayed on an external apparatus, the setting screen being for setting the setting information;  
a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and  
a setting information reception unit adapted to receive the setting information set with the setting screen from the external apparatus via the network.

21. (Cancelled)

22. (Original) The device according to claim 20, wherein said setting information includes information indicating a condition of transmitting the electronic mail.

23. (Original) The device according to claim 20, wherein said setting information includes information indicating a reply destination of the electronic mail.

24. (Previously Presented) The device according to claim 20, wherein said setting screen is for setting a pairing of a reply address of the electronic mail and a condition of transmitting the electronic mail.

25. (Original) The device according to claim 20, wherein said message relates to a supplement of expendables used in said device, an exchange of expendables used in said device, or a process status of said device.

26. (Original) The device according to claim 20, wherein said device is a printer.

27. (Previously Presented) A device capable of communicating with an external apparatus, comprising:

a status obtaining unit adapted to obtain status information about a status of said device;

a message obtaining unit adapted to obtain a message according to the status

information obtained by said status obtaining unit;

a storage unit adapted to store destination information indicating a destination of an electronic mail;

a registration unit adapted to register reply destination information indicating a reply destination of the electronic mail different from a source of the electronic mail;

a transmission data generation unit adapted to generate transmission data according to the message obtained by said message obtaining unit, the generated transmission data including the destination information and the reply destination information; and

an electronic mail transmission unit adapted to transmit as electronic mail the transmission data generated by said transmission data generation unit.

28. (Previously Presented) The device according to claim 27, further comprising:

a data generation unit adapted to generate data that indicates a setting screen to be displayed on the external apparatus, the setting screen being for setting the destination information and the reply destination information;

a data transmission unit adapted to transmit the data generated by said data generation unit to the external apparatus via a network; and

a reception unit adapted to receive the destination information and the reply destination information set with the setting screen from the external apparatus via the network,

wherein said registration unit registers the reply destination information received by said reception unit.

29. (Previously Presented) The device according to claim 27, wherein said

storage unit stores the reply destination information registered by said registration unit.

30. (Original) The device according to claim 27, wherein said device is a printer.

31. (Previously Presented) A status notifying method for notification of a status of a device by electronic mail, comprising:

an information holding step of holding setting information set for transmission of an electronic mail containing a message depending on a status of the device;

a data generating step of generating data indicating a setting screen to be displayed on an external apparatus, the setting screen being for setting the setting information;

a transmitting step of transmitting the data generated by said data generating step to the external apparatus via a network; and

a receiving step of receiving the setting information set with the setting screen from the external apparatus via the network.

32. (Canceled)

33. (Original) The status notifying method according to claim 31, wherein said setting information includes information indicating a condition of transmitting the electronic mail.

34. (Original) The status notifying method according to claim 31, wherein said setting information includes information indicating a reply destination of the electronic mail.

35. (Previously Presented) The status notifying method according to claim 31, wherein

said setting screen is for setting a pairing of a reply address of the electronic mail and a condition of transmitting the electronic mail.

36. (Original) The status notifying method according to claim 31, wherein said message relates to a supplement of expendables used in the device, an exchange of expendables used in the device, or a process status of the device.

37. (Original) The status notifying method according to claim 31, wherein said device is a printer.

38. (Previously Presented) A status notifying method for notification of a status of a device by electronic mail, comprising:

a status obtaining step of obtaining status information about a status of the device;

a message obtaining step of obtaining a message according to the status information obtained in said status obtaining step;

a registration step of registering destination information indicating a destination of electronic mail and reply destination information indicating a reply destination of the electronic mail different from a source of the electronic mail;

a transmission data generating step of generating transmission data according to the message obtained in said message obtaining step, the generated transmission data including the destination information and the reply destination information; and

an electronic mail transmitting step of transmitting as electronic mail the transmission data generated in said transmission data generating step.

39. (Previously Presented) The status notifying method according to claim 38, further comprising:

a data generating step of generating data which indicates a setting screen to be displayed on an external apparatus, the setting screen being for setting the destination information and the reply destination information;

a data transmitting step of transmitting the data generated in said data generating step to the external apparatus via a network; and

a receiving step of receiving the destination information and the reply destination information set with the setting screen from the external apparatus via the network,

wherein the destination information and the reply destination information received in said receiving step are registered in said registration step.

40. (Previously Presented) The status notifying method according to claim 38, further comprising a storing step of storing a reply address of electronic mail.

41. (Previously Presented) The status notifying method, according to claim 38 wherein said device is a printer.

42. (Previously Presented) A computer-readable storage medium storing a computer-readable program used for notification of a status of a device by electronic mail, said program comprising:

an information holding step of holding setting information set for transmission of electronic mail containing a message depending on a status of the device;  
a data generating step of generating data indicating a setting screen to be displayed on an external apparatus, the setting screen being for setting the setting information;  
a data transmitting step of transmitting the data generated in said data generating step to the external apparatus via a network; and  
a receiving step of receiving the setting information set with the setting screen from the external apparatus via the network.

43. (Previously Presented) A computer-readable storage medium storing a computer-readable program used for notification of a status of a device by electronic mail, said program comprising:

a status information obtaining step of obtaining status information about a status of the device;  
a message obtaining step of obtaining a message according to the status information obtained in said status obtaining step;  
a registration step of registering destination information indicating a destination of electronic mail and reply destination information indicating a reply destination of the electronic mail different from a source of the electronic mail;  
a transmission data generating step of generating transmission data according to the message obtained in said message obtaining step, the generated transmission data including the destination information and the reply destination information; and  
an electronic mail transmitting step of transmitting as electronic mail the transmission data generated in said transmission data generating step.

44. and 45. (Canceled)

46. (Previously Presented) A status notifying method for notification of a status of a device by electronic mail, comprising:

a status obtaining step of obtaining status information about a status of said device;

a message obtaining step of obtaining a message according to the status information obtained by said status obtaining step;

a transmission data generation step of generating transmission data according to the message obtained by said obtaining step and destination information indicating a message destination;

an electronic mail transmission step of transmitting as electronic mail the transmission data generated by said transmission data generation step;

a data generation step of generating data that indicates a setting screen to be displayed on an external apparatus, the setting screen being for setting said destination information;

a data transmission step of transmitting the data generated by said data generation step to the external apparatus via a network; and

a destination information reception step of receiving the destination information set with the setting screen from the external apparatus via the network.

47. (Previously Presented) A computer-readable storage medium storing a program used for notification of a status of a device by electronic mail, said program comprising:

a status obtaining step of obtaining status information about a status of said device;

a message obtaining step of obtaining a message according to the status information obtained by said status obtaining step;

a transmission data generation step of generating transmission data according to the message obtained by said obtaining step and destination information indicating a message destination;

an electronic mail transmission step of transmitting as electronic mail the transmission data generated by said transmission data generation step;

a data generation step of generating data that indicates a setting screen to be displayed on an external apparatus, the setting screen being for setting said destination information;

a data transmission step of transmitting the data generated by said data generation step to the external apparatus via a network; and

a destination information reception step of receiving the destination information set with the setting screen from the external apparatus via the network.